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versities. Those unable to do this should at least study the principles of pedagogy, which are available in numerous books. Although pedagogical literature deals chiefly with elementary, rather than advanced or professional education, it is nevertheless of great service, for the same fundamental principles extend throughout, from the kindergarten to the university. Among those books which may be recommended as helpful are the following: Spencer, "Essays on Education" (a recent edition, with introduction by ex-President Eliot, in the "Everyman's Library" series); James, "Talks to Teachers on Psychology," etc. (Holt); Charters, "Methods of Teaching Developed from a Functional Standpoint" (Row, Peterson & Co.); Bagley, "The Educative Process" (Macmillan); Thorndike, "The Principles of Teaching Based on Psychology" (Seiler). And in conclusion, permit me to suggest that a more thorough discussion of educational methods and principles in our association meetings, and also in the faculty meetings of our various medical schools, would result in greater efficiency in our teaching.

C. M. JACKSON

UNIVERSITY OF MISSOURI

SCIENTIFIC NOTES AND NEWS

PROFESSOR ABBOTT LAWRENCE ROTCH, founder and director of the Blue Hill Meteorological Observatory and professor of meteorology at Harvard University, died on April 7, aged fifty-one years.

DR. JOHN H. MUSSER, professor of clinical medicine in the University of Pennsylvania and one of the most eminent physicians of Philadelphia, died on April 3, in his fifty-seventh year.

THE second annual award of the Willard-Gibbs Medal, founded by Mr. William A. Converse, will be made by the Chicago Section of the American Chemical Society on May 17, to Professor Theodore W. Richards, of Harvard University. It may be remembered that the initial award of this medal was made last May to Professor Svante Ar-

rhenius. Professor Richards has chosen for the subject of his address "Atomic Weights." An invitation is extended to all members of the American Chemical Society, who desire to be present on the occasion of this award.

SIR J. J. THOMSON has been elected a foreign member of the Naples Academy of Sciences.

THE clay model for a bust of Commander R. E. Peary has been executed by Mr. William Couper and is now on its way to Florence to be cut in Carrara marble. The bust is a gift to the American Museum of Natural History from Mrs. Morris K. Jesup and will take its place among the other marble busts in the niches in memorial hall.

THE Paris Geographical Society will present Dr. Charcot with its gold medal for the work achieved in South Polar exploration by the *Pourquoi Pas* expedition.

THE council of the New Zealand Institute, at its annual meeting held in Christchurch at the end of January, decided to award the Sir James Hector memorial medal and prize to Dr. L. Cockayne as the investigator, working in New Zealand, who has done most to advance botanical science.

THE Academy of Science, the medical faculty of the University of Havana and several other scientific societies and institutions have passed a joint resolution in which the names of Dr. Carlos J. Finlay and Dr. Aristides Agramonte are presented to the Nobel Prize Commission as candidates for the prize to be awarded in 1912. The resolution points out that Dr. Finlay was the first to claim that yellow fever is transmitted by the mosquito, while Dr. Agramonte is the sole survivor of the United States Army Board composed of Drs. Reed, Carroll, Lazear and himself, which demonstrated the correctness of this theory.

THE magazine *Good Housekeeping* announces that Dr. Harvey W. Wiley, formerly chief chemist of the United States Department of Agriculture, became contributing editor of that magazine on April 1. The magazine has established at Washington a "Bu-

reau of Foods, Sanitation and Health," of which Dr. Wiley will be director.

INSTRUCTORS and students of the forestry department of the University of Michigan entertained Professor Filibert Roth recently at a farewell dinner. Professor Roth's resignation from the University of Michigan will take effect in June, and he will become the head of the forestry department of the College of Agriculture at Cornell University next fall.

DR. J. C. WILLIS has retired from the directorship of the Royal Botanic Gardens, Pera deniya, Ceylon, to become director of the Botanic Gardens at Rio de Janeiro.

DR. EUGEN KUEHNEMANN, professor of philosophy at the University of Breslau, Germany, and recently German exchange professor at Harvard University, has been appointed as the first German university professor to occupy the Carl Schurz memorial professorship established last year in the University of Wisconsin by German-American citizens of Wisconsin and friends of the university.

DR. SEVERANCE BURRAGE has resigned as professor of sanitary science in Purdue University, Lafayette, and will spend several months in Europe, after which he will take charge of the biologic and serum department for an Indianapolis drug house.

PROFESSOR F. W. CARPENTER, of the University of Illinois, department of zoology, has been appointed American reviewer for *Zentralblatt für Normale Anatomie und Mikrotechnic*.

PROFESSOR JOHN T. STEWART, of the University of Minnesota, has been authorized by the regents to attend the National Drainage Congress in New Orleans this month at an expense not to exceed \$100.

MR. DONALD F. MACDONALD, geologist to the Isthmian Canal Commission, has been granted three months leave of absence from his duties with the Commission to make a geological study of the disputed territory between the republics of Panama and Costa

Rica. Mr. MacDonald sailed from Colon for Bocas del Toro, near the Costa Rican border, on April 1. From there he will proceed by small boat and by native porters to the region to be examined.

ACCORDING to a cablegram to the New York *Times* the Austrian Red Cross Society will be represented at the International Conference of Red Cross Societies, which meets in Washington on May 7 to 17, by Dr. Maurice Victor Silbermark and Dr. Yetta Silbermark Reising, who sail by the *Auguste Victoria* on April 16.

MR. ARTHUR S. WATTS was elected president and Edward Orton, Jr., secretary of the American Ceramic Society at the recent Chicago meeting.

PROFESSOR GEORGE GRANT MACCURDY will be the delegate from Yale University to the International Congress of Anthropology and Prehistoric Archeology to be held in Geneva, Switzerland, during the first week of September, 1912.

THE following delegates have been appointed to represent the American Philosophical Society on the following occasions: Vice-president William B. Scott, of Princeton, to represent the society at the two hundred and fiftieth anniversary of the foundation of the Royal Society in July next; Professors Paul Haupt, of Baltimore, E. Washburn Hopkins, of New Haven, Morris Jastrow Jr., of Philadelphia, and A. V. Williams Jackson, of New York, as delegates to the eleventh International Congress of Orientalists, to be held at Athens on April 7 to 14; Dr. Franz Boas, of New York, a delegate to the eighteenth International Congress of Americanists, to be held in London from May 27 to June 1. At the centenary of the Academy of Natural Sciences on March 19 to 21 the society was officially represented by Professor Henry F. Osborn, of New York, Dr. Charles D. Walcott, of Washington, Mr. Samuel Vauclain, of Philadelphia, Professor Wm. Bullock Clark, of Baltimore, and Dr. Henry H. Donaldson, of Philadelphia.

THE tenth annual meeting of the South African Association for the Advancement of Science will be held in Port Elizabeth from July 1 to 6, under the presidency of Dr. A. Theiler. The sections and their presidents are as follows: A, astronomy, mathematics, physics, meteorology, geodesy, surveying, engineering, architecture and irrigation, Mr. H. J. Holder; B, chemistry, geology, metallurgy, mineralogy and geography, Professor B. de St. J. van der Riet; C, bacteriology, botany, zoology, agriculture, forestry, physiology, hygiene and sanitary science, Mr. F. W. FitzSimons; D, anthropology, ethnology, education, history, mental science, philology, political economy, sociology and statistics, Mr. W. A. Way.

THE fifth of the Weir Mitchell lectures of the College of Physicians, Philadelphia, was delivered on March 29 in Mitchell Hall, by Dr. William H. Howell, of the Johns Hopkins University, on "The Factors concerned in the Coagulation of Blood and their Variations under Pathologic Conditions."

UNIVERSITY AND EDUCATIONAL NEWS

THE board of directors of the Knights of Columbus announces that \$385,000 of a \$500,000 endowment fund for the Catholic University in Washington already is in hand. The income from this fund, the remaining \$115,000 of which has been subscribed, will be used to provide scholarships for fifty students.

THE Berlin correspondent of the *Journal of the American Medical Association* writes that according to the official estimate of the expenses of the Prussian universities, for the fiscal year 1912, they will amount to \$5,016,389 (20,065,556 Marks). Of this amount \$2,202,058 is to be spent for institutes, collections and the university religious services. For salaries, remuneration and other personal expenses of the professors, instructors, officers, assistants and employees \$2,059,466 are allowed and for lodging allowance \$288,687. For the expenses of the academic management \$93,266 are appropriated, for the building expenses \$200,275 and for taxes \$9,868. For contingent expenses \$110,970 are provided,

and \$51,195 are appropriated for relief and stipends. The entire expenses are distributed among the individual universities as follows: Berlin, \$1,184,515; Breslau, \$541,311; Halle, \$546,982; Bonn \$485,146; Kiel, \$482,741; Göttingen, \$463,215; Königsberg, \$411,621; Greifswald, \$366,475; Marburg, \$348,326; Münster, \$168,158, and Braunsberg, \$17,395. The expenses are to be met by the following income: from the state fund, \$3,636,801; from endowments and other funds, \$178,928; interest from capital and the income from real estate, \$119,619, and from their own earnings, \$1,081,039.

PLANS are well under way for the new building for the department of clinical medicine at the University of Wisconsin. The department exists for the purpose of looking after the health of the students in the university. There is a corps of five doctors and four trained nurses who are kept busy ministering to sick students or taking precautionary measures in the case of those exposed to disease. The new building will have ten offices on the first floor for the treatment of common ailments, and in the basement will be a sterilization room and special treatment rooms, fitted up with X-ray machines, baking machines and other special equipment. The value of having a department to look after the health of students is shown by the fact that there have been no epidemic diseases among the students that were not controlled as soon as the first cases appeared, since the establishment of the department. Previous to its establishment, there were a number of bad epidemics among students, the most serious of which was an outbreak of typhoid fever in 1907 which resulted in the death of several students.

THE *Journal of the American Medical Association* states that the professors of the University of Dijon have unanimously passed a resolution calling for a university congress to organize the French universities more closely and to extend their influence abroad. There has been founded under the auspices of the France-Amérique committee a league to foster French interests in America, which